

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Complete if Known	
				Application Number	10/069,923
				Filing Date	May 10, 2002
				First Named Inventor	Des Richardson
				Group Art Unit	1616
				Examiner Name	
Sheet	4	of	4	Attorney Docket Number	1871-134

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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

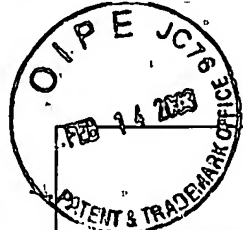
BM	BI	Pal, et al., "Copper (II) complexes containing a CuN4O2 coordination sphere assembled via pyridine-imine-amide coordination: Synthesis, structure and properties," Abstract No.: 2000:615159	
	BJ	Sangeetha, et al., "Dimeric and polymeric square-pyramidal copper (II) complexes containing equatorial-apical chloride or acetate bridges," Abstract No. 2000:586466	
	BK	Paschalidis, et al., "Synthesis, characterization and spectra of lanthanide (III) hydrazone complexes. The x-ray molecular structures of the erbium (III) complex and the ligand," Abstract No. 2001:23264	
	BL	Richardson et al., "Development of potential iron chelators for the treatment of Friedreich's ataxia: ligands that mobilize mitochondrial iron," Abstract No. 2001: 429212	
	BM	Pal, et al., "Mononuclear pervanadyl (VO <sub>2</sub> <sup>+</sup> ) complexes with tridentate Schiff bases: self-assembling via c-H...oxo and π-π interactions," Abstract No. 2001:516573	
	BN	Heuer et al., "Preparation of pyridyl acylhydrazones as microbicides," Abstract No. 1994:106782	
	BO	Rector et al., "Anthelmintic pyridinyl acylhydrazones," Abstract No.: 1987:477634	
	BP	Alberto et al., "Method for the preparation of facial metal tricarbonyl compounds and their use in the labeling of biologically active substrates," Abstract No.: 1998:719299	
	BQ	Choudhury, Amitava et al., "Synthesis, structure and properties of manganese (II) complexes with aroylhydrazones of 2-pyridine-carboxaldehyde," Abstract No. 2000:269511.	
	BR	Registry Number 1215-55-0/RN - Benzoic acid, (2-pyridinylmethylene) hydrazide	
	BS	Registry Number 270576-10-8/RN - Benzoic acid, (2E)-(2-pyridinylmethylene) hydrazide	
	BT	Registry Number 114011-30-2/RN - 2-Thiophenecarboxylic acid, (2E)-(2-pyridinylmethylene) hydrazide	
	BU	Registry Number 262421-84-1 - Benzoic acid, 3-bromo-(2-pyridinylmethylene) hydrazide	
	BV	Registry Number 270576-18-6/RN - 2-Thiophenecarboxylic acid, (2E)-(2-pyridinylmethylene) hydrazide	
	BW	Registry Number 257299-43-7/RN - Benzoic acid, (2E)-(2-pyridinylmethylene) hydrazide, monohydrate	
	BX	Registry Number 264876-19-9/RN - Benzoic acid, (2Z)-(2-pyridinylmethylene) hydrazide	
BM	BY	Registry Number 262421-84-1/RN - Benzoic acid, 3-bromo-, (2-pyridinylmethylene) hydrazide	

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<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
BMR	AA	5,011,932		Rector et al.	04-30-1991
/	AB	5,229,038		Uchino et al.	07-20-1993
/	AC	5,023,334		Rector et al.	06-11-1991
BMR	AD	6,005,009		Murad et al.	12-21-1999

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
BMR	AE	WO	86/04582	A1	The UpJohn Company	08-14-1986	
/	AF	WO	98/48848	A1	Mallinckrodt Medical, Inc.	11-05-1998	
/	AG	WO	99/01423	A1	Novo Nordisk and Alanex Corporation	01-14-1999	
/	AH	WO	98/41198	A1	Duke University	09-24-1998	
/	AI	DE	4207400 (with English Abstract)	A1	Bayer AG	09-16-1993	AB
BMR	AJ	EP	0 879 606	A1	Paul Scherrer Institut	11-25-1998	

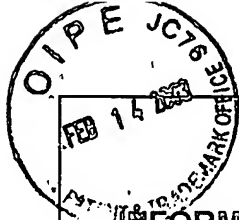
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code.

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.



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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
BMA	AK	Becker et al., "Development of novel aroylhydrazone ligands for iron chelation therapy; 2-pyridylcarboxaldehyde isonicotinoyl hydrazone analogs," <i>The Journal of Laboratory and Clinical Medicine</i> , 1999, pp. 510-521, vol. 134, no. 5, C.V. Mosby,	
	AL	Ainscough et al., "Cytotoxicity of salicylaldehyde benzoylhydrazone analogs and their transition metal complexes: quantitative structure-activity relationships," <i>Journal of Inorganic Biochemistry</i> , 1999, pp. 125-133, vol. 77, nos. 3-4, Elsevier Science Inc.	
	AM	Richardson et al., "The biologically active iron chelators <sup>2</sup> 2-pyridylcarboxaldehyde isonicotinoylhydrazone, 2-pyridylcarboxaldehyde benzoylhydrazone monohydrate and 2-furaldehyde isonicotinoylhydrazone," <i>Acta Crystallographia</i> , 1999, pp. 2102-2105, Vol. C55, No. 12, Munksgaard International publishers Ltd., Great Britain	
	AN	Gallego et al., "Pyridine-2-carbaldehyde 2-Hydroxybenzoylhydrazone <sup>as</sup> a Selective Reagent for the Extraction and Spectrophotometric Determination of Iron (II)," <i>Analyst</i> , July, 1979, pp. 613-619, vol. 104, London, U.K.	
	AO	Iki et al., "2-Pyridylaldehydebenzoylhydrazone Derivatives as Highly Selective Precolumn Chelating Reagents for Nickel (II) Ion I Kinetic Differentiation Mode High-Performance Liquid Chromatography," <i>Mikrochim Acta</i> , 1994, 137-52, vol. 113(3-6), Springer-Verlag, Austria.	
	AP	Ponka et al., "The Effect of various chelating agents on the mobilization iron from reticulocytes in the presence and absence of pyridoxal isonicotinoyl hydrazone," <i>Biochem. Biophys Acta</i> , 1984, pp. 477-489, vol. 802(3), Elsevier Science Publishers B.V.	
	AQ	Gimenez Plaza, et al., "The Synthesis, Identification and Reactivity of 2-Pyridylaldehyde 2-Thiophenehydrazide, and a Study of the Solid Complexes Formed with Pb (II), Cu (II), Ag (I), Ni (II) and Co (II), <i>Anales de Quimica</i> , 1987, pp. 288-292, vol. 83. (English Translation)	T
	AR	Duggal et al., "Synthesis and structural studies of chlorobenzoyl and salicyloylhydrazone complexes of tridentate hydrazones," <i>Chemical Abstract No. 110:107066t</i> , vol. 110, no. 12, March 20, 1989.	
	AS	Uehra et al., "Comparison of hydrazone derivatives for reversed phase high performance liquid chromatography," <i>Chemical Abstract No. 120:314578h</i> , vol. 120, no. 24, June 13, 1994.	
BMA	AT	Mautoiu et al., "Pyridine-2-aldehyde-2-furoylhydrazone - a new visualization Reagent for cation separation by TLC," <i>Chemical Abstract No. 125:157099m</i> , vol. 125, no. 12, September 16, 1996	

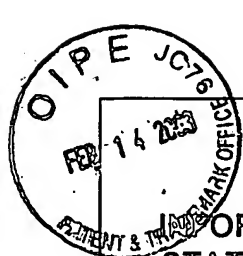
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BAN	AU	Zhao et al., "Hydrazide-Containing Inhibitors of HIV-1 Integrase," Chemical Abstract No. 126:194859a, vol. 126, no. 15, April 14, 1997	
	AV	Nishimoto et al., "Thin-layer chromatography of chelating agents," 1967, Abstract No. 1967:98544	
	AW	Davies et al., "Minimization of the rate of ambient dioxygen consumption by a coal-derived middle distillate," Abstract No. 1986:594226.	
	AX	Gimenez Plaza et al., "2-Pyridylaldhye 2-thenoylhydrazone: synthesis, identification and reativity. Study of solid complexes with lead (II), copper (II), silver (I), nickel (II) and cobalt (II)," Abstract No. 1988-197186	
	AY	Hoshino, et al., "Kinetic differentiation mode high-performance liquid chromatography as a powerful tool in environmental trace metal chemistry," Abstract No.: 1995:583241	
	AZ	Iki et al., "2-Pyridylaldhyde benzoylhydrazone derivatives as highly selective precolumn chelating reagents for nickel (III) ion in kinetic differentiation," Abstract No. 1994:670602	
	BA	Uehra et al., "Comparison of hydrazone derivatives for reversed phase high performance liquid chromatography," Abstract No.: 1994:314578	
	BB	Khalil et al., "Organotin (IV) complex with tridentate ligands-II, Synthesis and characterization of mono- and dimethyltin (IV) complexes with N-(2-pyridinylmethylene)benzoylhydrazine. The crystal and molecular structure of monomethyldichloro[N-(2-pyridinylmethylene)benzoylhydrazine NNO(-1)tin(IV), Abstract No. 1994:700990	
	BC	Ainscough et al., "Nitrogen, sulfur and oxygen donor adducts with copper (II) complexes of antitumor 2-formylpyridinethiosemicabazone analogs: physicochemical and cytotoxic studies." Abstract No. 1998-541058	
	BD	Becker et al., "Development of novel roylhydrazone ligands for iron chelation therapy: 2-pyridylcarboxaldehyde isonicotinoyl hydrazone analogs," Abstract no. 1999:783045	
	BE	Richardson et al., "The biologically active iron chelators 2-pyridylcarboxaldehyde isonicotinoylhydrazone, 2-pyridylcarboxaldehyde benzoylhydrazone monohydrate and 2-furaldehyde isonicotinoylhydrazone," Abstract No.: 2000:42711	
	BF	Lima et al., "Synthesis and analgesic activity of novel N-acylarylhydrazones and isosters, derived from natural safrole," Abstract No. 2000:228176	
	BG	Pelagatti et al., "Potentially tridentate hydrazonic ligands in the synthesis of methyl and acetyl palladium (II) complexes," Abstract No.: 2000:193344	
BAN	BH	Karunakar, et al., "Nickel (II) complexes of tridentate N,N,O-donor ligands: syntheses, structures and redox properties. Abstract No. 2000:414118.	

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